

SECRET

3 October 1960

[Redacted]
[Redacted]

50X1
50X1

Dear [Redacted],

50X1

As per our telephone conversation yesterday I am forwarding herewith all available information.

First, it should be stated that at this time we have not selected and/or tagged a particular aircraft for the beacon evaluation program. It will most probably be a U.S. Navy Neptune, P-2-V-5 type of aircraft carrying, normally, the following equipment:

- APS-23 radar
- VHF and UHF communications gear (ARC-3 and ARC-27)
- ADF Equipment (HF "bird-dog")
- Standard ILS equipment including glide-slope indicator and marker beacon receivers
- VOR omni, probably dual.

In addition, I would expect that it will be carrying the full complement of conventional IFR navigation equipment such as gyro-compass, radar altimeter, air-speed indicator, etc. The crew would normally consist of pilot, c-pilot, navigator and radar observer.

I hope this covers all your needs, if not please feel free to call or visit.

Sincerely,

Distribution:

- Orig & 1 - Addressee
- ~~1~~ - P-319
- 1 - Chrono

[Redacted]

50X1

SECRET

SECRET

P-319

20 October 1960

MEMORANDUM FOR: The Record**SUBJECT: Trip report, [redacted] Advanced Development Laboratory.**

50X1

1. I visited AML on 15 and 16 September, 1960 for project review purposes. Discussions were held with Messrs. [redacted]

50X1
50X1

2. At the time of this visit the planned expansion of personnel at AML was well underway. Approximately ten new senior level engineers have been hired over this past summer and are presently engaged in a wide variety of projects including RB-114. Some 16 engineers are assigned full-time to our work with a planned further expansion as work on the countermeasure receiver and the Smuggler A program expands. This is my first visit in several years where inadequate manpower has not been a problem. On the contrary, it would now appear as if AML is in a good position to take on even more work, if the opportunity presents itself. This is particularly true of the Radar section with which we have not had any dealings in the past. This section, under [redacted], has substantial experience in both ground and airborne micro-wave systems up through X-band. Their potential for exploitation in the [redacted] field, particularly, could very properly be applied to some of our newer problems in this area. In this connection it was again suggested that several key personnel be processed for TOP SECRET approvals. [redacted] indicated he would expedite this matter.

50X1

50X1

50X1

3. Project Discussion:

RB-5 Receiver

As has been the case for the past three months' work is concentrated on cleaning up the design of the high band tuner. As of this visit what is hopefully the last of a long series of "bugs" had just been eliminated. In this case it was a coupling problem between the oscillator and mixer. With the solution apparently found work can now go forward on fabricating the final engineering model with an expected delivery date of late October.

Reviewing the status of this program with [redacted], it was pointed out that while problems such as have been encountered with the high band tuner these past several months are normal in a development program of this kind. It was felt that if more of his personal time had been available for close supervision of the engineering team they might very well have been solved sooner or, for that matter, never have arisen at all.

50X1

SECRET